

GENERALIZED LENSING ANGULAR SIMILARITY OPERATOR

ABSTRACT OF THE DISCLOSURE

In a machine for monitoring an instrumented process or for analyzing one
5 or more signals, an empirical modeling module for modeling non-linearly and
linearly correlated signal inputs using a non-linear angular similarity function
with variable sensitivity across the range of a signal input. A different angle-
based similarity function can be chosen for different inputs for improved
sensitivity particular to the behavior of that input. Sections of interest within a
10 range of a signal input can be lensed for particular sensitivity.